

INSTALLATION INSTRUCTIONS

Astro Mini-Brac 5/8" Stainless Steel Band

Tools Required: 1/2", 5/8" Sockets, 11/16" Deep Socket, 5/32" Allen socket
3/8" Open End Wrench, Dead blow Hammer, Pliers,
Band Cutter, Torque Wrench, Hacksaw

Power tools can be used if care is given to not exceed torque values. Best practice is to lightly snug the fasteners down with power tools and torque to specification with a torque wrench. Using anti seize on stainless to stainless connections is mandatory when using power tools as the heat from rapid assembly will cause galling and seizure of the hardware.

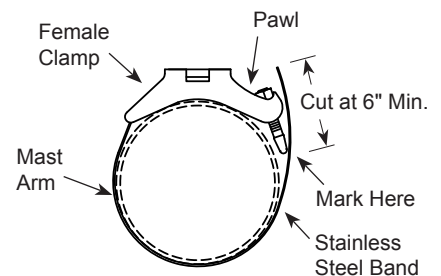
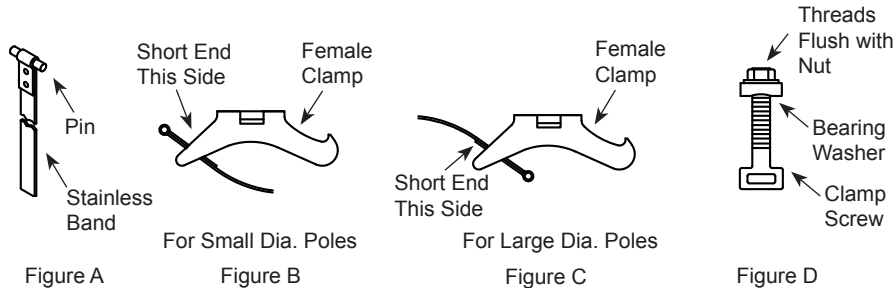


Figure 1

For less than 4.5" diameter Poles: Insert the band from the top of the casting (Fig. B)
For 4.5" and larger diameter Poles: Insert the band from the bottom of the casting (Fig. C)

Attaching Clamp Kit to Mast Arm

1. Thread the band through the clamp as shown in Figure B or C and place the clamp on top of the mast arm as shown. (Figure 1)
2. Place the clamp screw assembly in the pawl of the clamp body with the hex nut flush with the end of the clamp screw threads. (Figure D)
3. Bend the stainless band around the arm using the dead blow hammer to form the band tightly to the pole.

Note: It is critical to have the band as tight against the pole as possible.

4. Mark the band at the point it crosses the clamp screw head and cut band a minimum of 6" past the mark. For poles under 4.5" diameter cut the band as long a possible. (Figure 1)
5. Slide a band buckle on the band with the set screw to the outside. (Figure 2)
6. Slide the clamp screw onto the band with the stud pointing away from the pole.
7. Center the clamp screw on the mark and bend the band to the inside 180 degrees. (Figure 2)

Caution: Make certain measurements are correct BEFORE bending the band. Once the band is bent, DO NOT straighten and re-bend – replace with a new band. The bending process weakens the band and rebending will cause fatigue resulting in a loss of strength in the band.

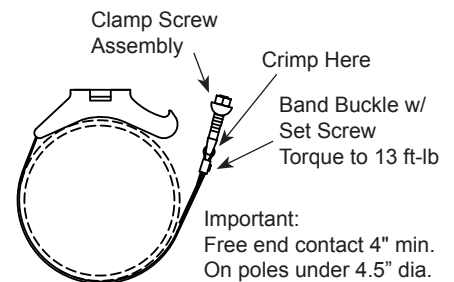


Figure 2

8. With a pair of pliers, crimp the bend in the band around the clamp screw and slide the band buckle over the free end of the band and position as close to the clamp screw assembly as possible. Torque the set screw in the band buckle to 13 ft-lb. (Figure 2)

Note: Make certain the free end of the band is turned to the inside and is a minimum of 6" long on poles 4.5" diameter and larger. On poles under 4.5" diameter make band as long a possible. (Figure 2.)

9. Feed the wiring through the center of the bracket and position on mast arm as desired.
10. Insert the clamp screw assembly in the pawl of the clamp and snug the nut to hold the bracket in position. Use the dead blow hammer to form the band as necessary.
11. Plumb and level the bracket and torque the 7/16" clamp screw nut to 22 ft-lb. DO NOT OVERTIGHTEN. (Figure 3)

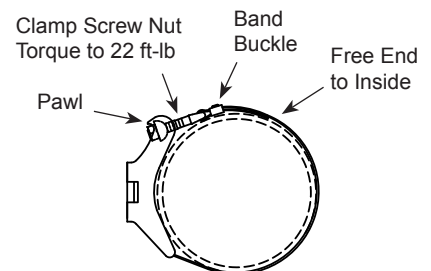


Figure 3

Cable installation instructions on opposite side



INSTALLATION INSTRUCTIONS

Astro Mini-Brac 3/16" Cable

Tools Required:

- 1/2", 5/8", & 11/16" Deep Sockets
- 3/8" Open End Wrench
- Torque Wrench

Power tools can be used if care is given to not exceed torque values. Best practice is to lightly snug the fasteners down with power tools and torque to specification with a torque wrench. Using anti seize on stainless to stainless connections is mandatory when using power tools as the heat from rapid assembly will cause galling and seizure of the hardware.

Note:

Do not pull the free end of the cable out of the Astro-Mini-Brac, either before or during the installation.



INSTALLATION:

1. Loosen the two (2) 5/16" bolts on the cable plates. Adjust the nuts flush to the top of the cable screw as shown. (Figure 1)
2. Feed the wiring through the center of the clamp and position on mast arm as desired.
3. Place the cable screw assembly into the casting pawl of the clamp as shown. (Figure 2)
4. Pull the loose end of the cable to tighten the cable on the mast arm.
5. Tighten the two (2) 5/16" cable plate bolts to 18 ft-lb of torque. DO NOT OVERTIGHTEN.
6. Snug the nuts on the cable screw assembly just enough to hold the clamp kit in position.
7. Plumb and level the clamp using a 3/8" Open End Wrench to hold the cable screw. Torque the cable screw assembly nut to 22 ft-lb of torque. (Figure 2). DO NOT OVERTIGHTEN. Do not allow the cable to rotate while torquing the nut.

Band installation instructions on opposite side

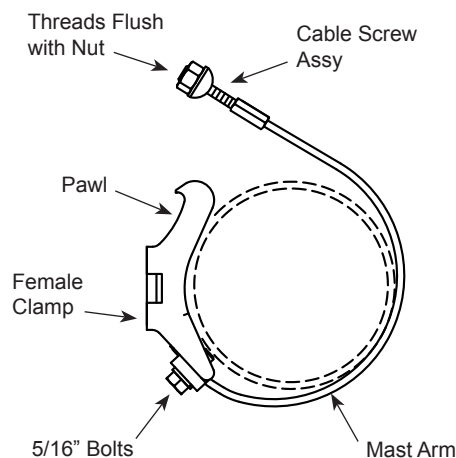


Figure 1

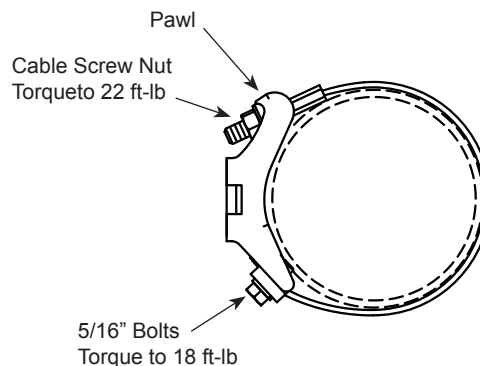


Figure 2